

1 CLAIMS

2

3 1. In an electronic document editor, a highlight rendering services
4 component comprising a highlight rendering services interface that provides one
5 or more methods to enable an editor extension to highlight a section of an
6 electronic document.

7

8 2. The highlight rendering services component as recited in claim 1,
9 wherein the methods provided by the highlight rendering services interface further
10 enable the editor extension to define a style of the section highlighting.

11

12 3. The highlight rendering services component as recited in claim 1,
13 wherein the one or more methods further comprises a method to enable the editor
14 extension to create a highlight segment between two display pointers in the
15 document.

16

17 4. The highlight rendering services component as recited in claim 1,
18 wherein the one or more methods further comprises a method to enable the editor
19 extension to create a highlight segment between two display pointers in the
20 document and to highlight the segment according to a specified rendering style.

21

22 5. The highlight rendering services component as recited in claim 1,
23 wherein the one or more methods further comprises a method to enable the editor
24 extension to redefine a highlight segment.

1 6. The highlight rendering services component as recited in claim 1,
2 wherein the one or more methods further comprises a method to enable the editor
3 extension to redefine a style of a highlight segment.

4
5 7. The highlight rendering services component as recited in claim 1,
6 wherein the one or more methods further comprises a method to enable the editor
7 extension to remove a highlighted segment from the document.

8
9 8. The highlight rendering services component as recited in claim 1,
10 further comprising an interface to enable the editor extension to control a
11 highlighted section of a document.

12
13 9. The highlight rendering services component as recited in claim 1,
14 further comprising an interface to enable the editor extension to control one
15 highlighted section of a document from a group of highlighted sections of the
16 document.

17
18 10. A computer-readable medium having computer-executable
19 instructions for one or more interfaces that, when executed by an electronic
20 document editor on a computer, perform the following:

21 receiving parameters from a designer through a highlight rendering services
22 interface;

23 utilizing the parameters to highlight a segment of an electronic document;

24 returning values to the designer regarding the state of the highlighted
25 segment.

1
2 11. The computer-readable medium as recited in claim 10, wherein the
3 utilizing the parameters further comprises utilizing the parameters to define a style
4 in which the segment is highlighted.

5
6 12. The computer-readable medium as recited in claim 10, wherein the
7 utilizing the parameters further comprises utilizing the parameters to create a
8 highlight segment between two display pointers in the document.

9
10 13. The computer-readable medium as recited in claim 10, wherein the
11 utilizing the parameters further comprises utilizing the parameters to create a
12 highlight segment between two display pointers in the document and to highlight
13 the segment according to a specified rendering style.

14
15 14. The computer-readable medium as recited in claim 10, wherein the
16 utilizing the parameters further comprises utilizing the parameters to redefine a
17 highlighted segment in the document.

18
19 15. The computer-readable medium as recited in claim 10, wherein the
20 utilizing the parameters further comprises utilizing the parameters to redefine a
21 style of a highlighted segment in the document.

1 **16.** The computer-readable medium as recited in claim 10, wherein the
2 utilizing the parameters further comprises utilizing the parameters to remove a
3 highlighted segment from the document.

4

5 **17.** A method for providing highlight rendering services to one or more
6 extensions in an extensible editor, the method comprising:

7 receiving a request from an extension to utilize the highlight rendering
8 services;

9 facilitating the request by presenting a highlight rendering services interface
10 that is accessible by the extension; and

11 communicating with the extension through the highlight rendering services
12 interface to enable the extension to highlight a section of a document through the
13 editor.

14

15 **18.** The method as recited in claim 17, wherein the facilitating further
16 comprises presenting a highlight segment interface to enable the extension to
17 control a highlighted section of a document displayed by the extensible editor, and
18 wherein the communicating further comprises communicating with the extension
19 through the highlight segment interface.

20

21 **19.** The method as recited in claim 17, wherein the highlight rendering
22 service interface further comprises an add-segment method to enable the extension
23 to create a highlight segment between two display pointers in the document and to
24 define a style of the highlighting.

1 **20.** The method as recited in claim 17, wherein the highlight rendering
2 service interface further comprises a move-segment-to-pointers method to enable
3 the extension to create a highlight segment between two display pointers in the
4 document and to define a style of the highlighting.

5
6 **21.** The method as recited in claim 17, wherein the highlight rendering
7 service interface further comprises a remove-segment method to enable the
8 extension to remove a highlighted section from the document.

9
10 **22.** An electronic document editor stored on a computer-readable
11 medium, comprising:

12 a designer interface to transfer data between the editor and one or more
13 designers attached to the editor;

14 an event routing controller to route events received by the editor to the one
15 or more designers;

16 a highlight rendering services component that is configured to enable a
17 designer to modify rendered character attributes of document text without
18 modifying the document content.

19
20 **23.** The electronic document editor as recited in claim 22, wherein the
21 highlight rendering services component further comprises a highlight rendering
22 services interface configured to transfer data between the editor and a designer to
23 enable the designer to control which sections of the document are highlighted on
24 the screen and the style in which the highlighting appears.

25

1 **24.** The electronic document editor as recited in claim 23, wherein the
2 highlight rendering services interface further comprises an add-segment method to
3 create a highlight segment between two display pointers and highlight the
4 highlight segment according to a specified rendering style.

5
6 **25.** The electronic document editor as recited in claim 23, wherein the
7 highlight rendering services interface further comprises a move-segment-to-
8 pointers method to redefine a highlight segment and a style in which the highlight
9 segment is rendered.

10
11 **26.** The electronic document editor as recited in claim 23, wherein the
12 highlight rendering services interface further comprises a remove-segment method
13 to remove a highlight segment from a collection of segments that are highlighted.

14
15 **27.** The electronic document editor as recited in claim 22, wherein the
16 highlight rendering services component further comprises a highlight segment
17 interface configured to transfer data between the editor and a designer to enable
18 the designer to provide type checking for document segments added or moved
19 from highlighted sections of the document.

20
21
22
23
24
25